

Overview corporate bonds ABP

In this overview below the holdings of ABP as per 30 September 2017 are shown, according to market value rounded off in millions EURO. The list contains corporate bonds (including covered bonds) which are provided with an exchange code*.

| Region | Country | Description | Sector | Market Value EUR Mio. |
|---------------|-----------------------------|--|-----------------------|-----------------------|
| Africa | | | | 15 |
| | Ghana | | | 3 |
| | | Kosmos Energy Ltd | Energy | 1 |
| | | Tullow Oil PLC | Energy | 2 |
| | South Africa | | | 8 |
| | | Sappi Ltd | Basic Materials | 8 |
| | Zambia | | | 4 |
| | | First Quantum Minerals Ltd | Basic Materials | 4 |
| Asia | | | | 215 |
| | China | | | 32 |
| | | Alibaba Group Holding Ltd | Consumer cyclical | 28 |
| | | Jining Ruyi Investment Co Ltd | Consumer cyclical | 4 |
| | Hong Kong | | | <0.5 |
| | | Noble Group Ltd | Industrials | <0.5 |
| | Israel | | | 70 |
| | | Teva Pharmaceutical Industries | Consumer non cyclical | 70 |
| | Japan | | | 65 |
| | | Mitsubishi UFJ Financial Group | Financials | 13 |
| | | SoftBank Group Corp | Telecommunication | 51 |
| | Korea, Republic of | | | 38 |
| | | Industrial Bank of Korea | Financials | 10 |
| | | Korea Development Bank/The | Financials | 27 |
| | Singapore | | | 8 |
| | | Temasek Holdings Pte Ltd | Financials | 8 |
| | United Arab Emirates | | | 3 |
| | | Dubai Aerospace Enterprise DAE | Industrials | 3 |
| Europe | | | | 13,586 |
| | Austria | | | 188 |
| | | Agnaten SE | Consumer non cyclical | 78 |
| | | Autobahnen- und Schnellstrassen-Finanzierungs AG | Industrials | 36 |
| | | Heta Asset Resolution AG | Financials | 18 |
| | | OeBB Holding AG | Industrials | 37 |
| | | Oesterreichische Kontrollbank | Financials | 20 |
| | Belgium | | | 664 |
| | | Anheuser-Busch InBev SA/NV | Consumer non cyclical | 267 |
| | | Argenta Bank- en Verzekeringsgroep | Financials | 46 |
| | | Eandis System Operator SCRL | Utilities | 43 |
| | | KBC Group NV | Financials | 120 |

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|----------------|--------------------------------------|------------------------|--------------|
| | Nyrstar NV | Basic Materials | 15 |
| | Proximus SADP | Telecommunication | 36 |
| | Publifin IC | Utilities | 33 |
| | Sarens Bestuur NV | Industrials | 3 |
| | Solvay SA | Basic Materials | 102 |
| Denmark | | | 314 |
| | Carlsberg A/S | Consumer non cyclical | 27 |
| | Danske Bank A/S | Financials | 153 |
| | Foreningen Nykredit FMBA | Financials | 68 |
| | Jyske Bank A/S | Financials | 28 |
| | Nets A/S | Consumer non cyclical | 4 |
| | Orsted A/S | Utilities | 34 |
| Finland | | | 121 |
| | Lakeside Network Investments S | Utilities | 19 |
| | Nokia OYJ | Telecommunication | 18 |
| | Pohjolan Voima Oy | Utilities | 24 |
| | Stora Enso OYJ | Basic Materials | 7 |
| | Suomi Power Networks | | |
| | Topco BV | Utilities | 54 |
| France | | | 2,268 |
| | Aeroports de Paris | Industrials | 17 |
| | Agence Francaise de Developpement | Financials | 62 |
| | Altice NV | Telecommunication | 57 |
| | Arkema SA | Basic Materials | 55 |
| | AXA SA | Financials | 81 |
| | BNP Paribas SA | Financials | 258 |
| | Capgemini SE | Information technology | 68 |
| | Cie de Saint-Gobain | Industrials | 16 |
| | CNP Assurances | Financials | 32 |
| | Credit Agricole Groupe | Financials | 175 |
| | Credit Mutuel-CM11 Group/The | Financials | 202 |
| | Dakar CayCo LP | Consumer cyclical | 6 |
| | Dexia SA | Financials | 114 |
| | Electricite de France SA | Utilities | 149 |
| | Engie SA | Utilities | 143 |
| | Finatis SA | Consumer non cyclical | 10 |
| | Groupe BPCE | Securitized | 162 |
| | Horizon Holdings I SAS | Industrials | 18 |
| | HSBC Holdings PLC | Financials | 35 |
| | Inmobiliaria Colonial Socimi S | Real Estate | 27 |
| | La Financiere Atalian SAS | Consumer non cyclical | 11 |
| | Loxam SAS | Consumer non cyclical | 20 |
| | Mobilux Sarl | Consumer cyclical | 7 |
| | Novafives SAS | Industrials | 6 |
| | Orange SA | Telecommunication | 90 |
| | Partners Group Holding AG | Consumer non cyclical | 5 |
| | PSA Banque France SA | Consumer cyclical | 11 |
| | Regie Autonome des Transports | Industrials | 14 |
| | Renault SA | Consumer cyclical | 35 |
| | RZ Invest SA | Consumer cyclical | 1 |

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| | SNCF Mobilites | Industrials | 8 |
| | SNCF Reseau | Consumer non cyclical | 88 |
| | Societe Generale SA | Financials | 107 |
| | SPCM SA | Basic Materials | 10 |
| | SPIE SA | Industrials | 11 |
| | Suez | Utilities | 17 |
| | TOTAL SA | Energy | 128 |
| | Vallourec SA | Basic Materials | 2 |
| | Veolia Environnement SA | Utilities | 11 |
| | Germany | | 2,272 |
| | Allianz SE | Financials | 110 |
| | Bayer AG | Consumer non cyclical | 40 |
| | BayernLB Holdings AG | Financials | 15 |
| | Brenntag AG | Basic Materials | 26 |
| | Commerzbank AG | Financials | 56 |
| | CPI Property Group SA | Industrials | 20 |
| | Daimler AG | Consumer cyclical | 32 |
| | Deutsche Bahn AG | Industrials | 34 |
| | Deutsche Bank AG | Financials | 67 |
| | Deutsche Telekom AG | Telecommunication | 52 |
| | Deutsche Wohnen SE | Real Estate | 39 |
| | DZ Bank AG Deutsche Zentral-Ge | Financials | 46 |
| | E.ON SE | Utilities | 40 |
| | Elevate BC Sarl | Industrials | 10 |
| | Elia System Operator SA/NV | Utilities | 41 |
| | EnBW Energie Baden-Wuerttember | Utilities | 38 |
| | Evonik Industries AG | Basic Materials | 19 |
| | Fresenius SE & Co KGaA | Health Care | 73 |
| | Grand City Properties SA | Financials | 56 |
| | HeidelbergCement AG | Industrials | 59 |
| | IHO Beteiligungs GmbH | Consumer cyclical | 92 |
| | JH-Holding GmbH | Basic Materials | 5 |
| | Kirk Beauty Sarl | Consumer cyclical | 10 |
| | Kreditanstalt fuer Wiederaufbau | Financials | 585 |
| | Landeskreditbank Baden-Wuertte | Financials | 16 |
| | Landwirtschaftliche Rentenbank | Financials | 58 |
| | LANXESS AG | Basic Materials | 4 |
| | Liberty Global PLC | Telecommunication | 50 |
| | Muenchener Rueckversicherungs- | Financials | 15 |
| | Nidda Topco Sarl | Consumer non cyclical | 10 |
| | NRW Bank | Financials | 106 |
| | RWE AG | Utilities | 54 |
| | Salsa Retail Holding TopCo Sar | Consumer cyclical | 6 |
| | Schustermann & Borenstein GmbH | Consumer cyclical | 7 |
| | Siemens AG | Industrials | 46 |
| | thyssenkrupp AG | Basic Materials | 4 |
| | Volkswagen AG | Consumer cyclical | 180 |

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|--------------------|--------------------------------|------------------------|--------------|
| | Vonovia SE | Real Estate | 126 |
| | WEPA Industrieholding SE | Basic Materials | 6 |
| | ZF Friedrichshafen AG | Consumer cyclical | 18 |
| Greece | | | 7 |
| | Intralot SA-Integrated Lottery | Consumer cyclical | 7 |
| Ireland | | | 183 |
| | ARD Holdings SA | Industrials | 46 |
| | CRH PLC | Industrials | 59 |
| | Electricity Supply Board | Utilities | 22 |
| | ERVIA | Utilities | 27 |
| | Hainan Traffic Administration | Industrials | 7 |
| | Liberty Global PLC | Telecommunication | 4 |
| | Smurfit Kappa Group PLC | Basic Materials | 18 |
| Italy | | | 595 |
| | Almaviva Technologies Srl | Information technology | 2 |
| | Atlantia SpA | Industrials | 34 |
| | Buzzi Unicem SpA | Industrials | 12 |
| | Cassa Depositi e Prestiti SpA | Financials | 60 |
| | Enel SpA | Utilities | 133 |
| | FCA Bank SpA | Consumer cyclical | 67 |
| | Ferrovie dello Stato Italiane | Industrials | 8 |
| | Intesa Sanpaolo SpA | Securitized | 104 |
| | Italgas SpA | Utilities | 17 |
| | Leonardo SpA | Industrials | 18 |
| | Mediobanca SpA | Financials | 32 |
| | Schumann SpA | Consumer cyclical | 9 |
| | Telecom Italia SpA/Milano | Telecommunication | 59 |
| | Terna Rete Elettrica Nazionale | Utilities | 16 |
| | VIP-CKH Luxembourg Sarl | Telecommunication | 22 |
| Jersey | | | 14 |
| | LHC1 Ltd | Financials | 7 |
| | Nemean Topco Ltd | Financials | 6 |
| Luxembourg | | | 203 |
| | Altice NV | Telecommunication | 28 |
| | ArcelorMittal | Basic Materials | 13 |
| | ARD Holdings SA | Industrials | 30 |
| | B&M European Value Retail SA | Consumer cyclical | 2 |
| | Befesa SA | Industrials | 5 |
| | Cidra SARL | Consumer non cyclical | 8 |
| | FAGE International SA | Consumer non cyclical | 12 |
| | Hainan Traffic Administration | Industrials | 3 |
| | INEOS AG | Basic Materials | 12 |
| | Intelsat SA | Telecommunication | 35 |
| | Kleopatra Holdings 1 SCA | Industrials | 2 |
| | LIE Finance GmbH & Co KG | Energy | 6 |
| | Liberty Global PLC | Telecommunication | 2 |
| | OCH-AT Holding SA | Telecommunication | 29 |
| | SIG Combibloc Group Holdings S | Industrials | 10 |
| | Vita Holding Sarl | Industrials | 5 |
| Netherlands | | | 2,495 |
| | ABN AMRO Group NV | Securitized | 126 |

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| Adria Luxco Sarl | Telecommunication | 21 |
| AerCap Holdings NV | Financials | 30 |
| Alliander NV | Utilities | 50 |
| Anbang Insurance Group Co Ltd | Financials | 31 |
| ASML Holding NV | Information technology | 49 |
| ASR Nederland NV | Financials | 40 |
| Bank Nederlandse Gemeenten | Financials | 143 |
| Constellium NV | Basic Materials | 21 |
| Cooperatieve Rabobank UA | Financials | 198 |
| de Volksholding BV | Securitized | 14 |
| Dutch Lion Cooperatief UA | Consumer cyclical | 8 |
| Enexis Holding NV | Utilities | 140 |
| Heineken Holding NV | Consumer non cyclical | 97 |
| Infopro Digital Group BV | Consumer non cyclical | 10 |
| ING Groep NV | Financials | 267 |
| Koninklijke Ahold Delhaize NV | Consumer non cyclical | 28 |
| Koninklijke KPN NV | Telecommunication | 2 |
| LeasePlan Corp NV | Financials | 134 |
| Liberty Global PLC | Telecommunication | 9 |
| Lincoln TopCo Pte Ltd | Financials | 20 |
| Maxeda DIY Group BV | Consumer cyclical | 9 |
| Motherson Sumi Systems Ltd | Consumer cyclical | 10 |
| Nederlandse Financierings Maatschappij voor Ontwikkelingslanden NV | Financials | 131 |
| Nederlandse Gasunie NV | Utilities | 33 |
| Nederlandse Waterschapsbank NV | Financials | 173 |
| NIBC Holding NV | Financials | 46 |
| NN Group NV | Financials | 68 |
| NXP Semiconductors NV | Information technology | 29 |
| REMA Investments Cooperatief U | Industrials | 13 |
| Royal Dutch Shell PLC | Energy | 77 |
| Royal Schiphol Group NV | Industrials | 24 |
| Stedin Holding NV | Energy | 54 |
| TenneT Holding BV | Utilities | 159 |
| Vereniging Achmea | Financials | 130 |
| Vesteda Residential Fund FGR | Financials | 68 |
| VodafoneZiggo Group Holding BV | Telecommunication | 10 |
| Wolters Kluwer NV | Telecommunication | 25 |
| Norway | | 363 |
| Avinor AS | Industrials | 54 |
| Banco Santander SA | Financials | 73 |
| DNB ASA | Securitized | 128 |
| Kommunal Landspensjonskasse Gj | Financials | 30 |
| Statkraft SF | Utilities | 77 |
| Portugal | | 43 |
| EDP - Energias de Portugal SA | Utilities | 43 |

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|--------------------|--------------------------------|------------------------|------------|
| Romania | | | 13 |
| | Digi Communications NV | Telecommunication | 6 |
| | Globalworth Real Estate Invest | Financials | 7 |
| Spain | | | 931 |
| | Abengoa SA | Industrials | <0.5 |
| | Acek Desarrollo y Gestion Indu | Consumer cyclical | 4 |
| | Adif - Alta Velocidad | Consumer non cyclical | 49 |
| | Avot Inversiones SL | Consumer cyclical | 10 |
| | Banco Bilbao Vizcaya Argentari | Financials | 83 |
| | Banco Santander SA | Financials | 171 |
| | Bankinter SA | Securitized | 30 |
| | BFA Sociedad Tenedora de Accio | Financials | 58 |
| | Cellnex Telecom SA | Telecommunication | 33 |
| | CIRSA Gaming Corp SA | Consumer cyclical | 8 |
| | Codere SA/Spain | Consumer cyclical | 10 |
| | Criteria Caixa SA - Single-Sha | Securitized | 37 |
| | Ferrovial SA | Industrials | 54 |
| | Gas Natural SDG SA | Utilities | 82 |
| | Grifols SA | Consumer non cyclical | 21 |
| | Grupo Aldesa SA | Industrials | 4 |
| | Iberdrola SA | Utilities | 55 |
| | Inversora Carso SA de CV | Utilities | 51 |
| | Lecta SA | Basic Materials | 10 |
| | Repsol SA | Energy | 20 |
| | Telefonica SA | Telecommunication | 115 |
| | Viesgo Infraestructuras Energe | Utilities | 26 |
| Sweden | | | 800 |
| | Cherry AB | Consumer cyclical | 12 |
| | Com Hem Holding AB | Telecommunication | 7 |
| | Essity AB | Consumer non cyclical | 76 |
| | Fastighets AB Balder | Real Estate | 82 |
| | Hoist Finance AB | Financials | 15 |
| | Intrum Justitia AB | Financials | 14 |
| | Nordea Bank AB | Financials | 99 |
| | SBAB Bank AB | Financials | 54 |
| | Skandinaviska Enskilda Banken | Financials | 84 |
| | Svenska Handelsbanken AB | Financials | 144 |
| | Swedbank AB | Financials | 100 |
| | Vattenfall AB | Utilities | 49 |
| | Volvo AB | Consumer cyclical | 60 |
| | Zhejiang Geely Holding Group C | Consumer cyclical | 4 |
| Switzerland | | | 727 |
| | Credit Suisse Group AG | Financials | 265 |
| | Glencore PLC | Basic Materials | 89 |
| | LafargeHolcim Ltd | Industrials | 13 |
| | Novartis AG | Consumer non cyclical | 18 |
| | Roche Holding AG | Consumer non cyclical | 34 |
| | TE Connectivity Ltd | Information technology | 17 |
| | UBS Group AG | Financials | 264 |
| | Zurich Insurance Group AG | Financials | 28 |

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|-----------------------|--------------------------------|--------------------------|
| United Kingdom | | 1,384 |
| | Anglian Water Group Ltd | Utilities 11 |
| | Anglo American PLC | Basic Materials 48 |
| | Ashtead Group PLC | Industrials 5 |
| | AstraZeneca PLC | Consumer non cyclical 49 |
| | Atotech UK Topco Ltd | Basic Materials 3 |
| | Banco Santander SA | Financials 90 |
| | Barclays PLC | Financials 101 |
| | Boparan Holdco Ltd | Consumer non cyclical 3 |
| | BP PLC | Energy 95 |
| | British American Tobacco PLC | Consumer non cyclical 73 |
| | BSREP II Center Parcs Jersey L | Consumer cyclical 13 |
| | BT Group PLC | Telecommunication 20 |
| | Drax Group PLC | Utilities 11 |
| | Everest UK TopCo Ltd | Industrials 7 |
| | FGP TopCo Ltd | Industrials 7 |
| | Fiat Chrysler Automobiles NV | Consumer cyclical 5 |
| | G4S PLC | Consumer cyclical 40 |
| | Global Switch Holdings Ltd | Telecommunication 44 |
| | Grainger PLC | Industrials 9 |
| | HSBC Holdings PLC | Financials 177 |
| | Iceland Topco Ltd | Consumer non cyclical 5 |
| | JBS SA | Consumer non cyclical 3 |
| | KCAD Holdings I Ltd | Energy 1 |
| | Kemble Water Holdings Ltd | Utilities 11 |
| | Liberty Global PLC | Telecommunication 66 |
| | Merlin Entertainments PLC | Consumer cyclical 11 |
| | Miller Homes UK PLC | Consumer cyclical 3 |
| | Missouri TopCo Ltd | Consumer cyclical 6 |
| | National Grid PLC | Utilities 49 |
| | Nationwide Building Society | Financials 35 |
| | Noble Corp plc | Energy 10 |
| | North West Electricity Network | Utilities 12 |
| | PPL Corp | Utilities 17 |
| | Rac Group Holdings Ltd | Consumer non cyclical 13 |
| | Reckitt Benckiser Group PLC | Consumer non cyclical 43 |
| | Redhill Famco Ltd | Financials 8 |
| | Royal Bank of Scotland Group P | Financials 37 |
| | Sky PLC | Telecommunication 43 |
| | SSE PLC | Utilities 80 |
| | Standard Chartered PLC | Financials 34 |
| | Synlab Ltd | Health Care 3 |
| | Tata Motors Ltd | Consumer cyclical 9 |
| | Tesco PLC | Consumer non cyclical 49 |
| | Thomas Cook Group PLC | Consumer cyclical 9 |
| | Top Gun Bidco Ltd | Consumer cyclical 3 |
| | Viridian Group Investments Ltd | Utilities 8 |
| | Worldpay Group PLC | Information technology 4 |
| North America | | 12,267 |
| Bermuda | | 29 |
| | Bacardi Ltd | Consumer non cyclical 29 |

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|----------------------------|--------------------------------|---------------------------|
| Canada | | 372 |
| | Air Canada | Industrials 9 |
| | Alimentation Couche-Tard Inc | Consumer cyclical 29 |
| | Barrick Gold Corp | Basic Materials 13 |
| | Bombardier Inc | Industrials 22 |
| | Calfrac Well Services Ltd | Energy 1 |
| | Canada Pension Plan Investment | Financials 24 |
| | Cenovus Energy Inc | Energy 53 |
| | Clearwater Seafoods Inc | Consumer non cyclical 9 |
| | Cott Corp | Consumer non cyclical 18 |
| | Encana Corp | Energy 16 |
| | Entertainment One Ltd | Telecommunication 6 |
| | Hudbay Minerals Inc | Basic Materials 4 |
| | Jupiter Resources Inc | Energy 1 |
| | Kinross Gold Corp | Basic Materials 40 |
| | Magna International Inc | Consumer cyclical 38 |
| | MEG Energy Corp | Energy 9 |
| | Mercer International Inc | Basic Materials 8 |
| | Mubadala Investment Co | Basic Materials 9 |
| | Precision Drilling Corp | Energy 5 |
| | Quebecor Inc | Telecommunication 7 |
| | Restaurant Brands Internationa | Consumer cyclical 3 |
| | Seven Generations Energy Ltd | Energy 3 |
| | Teck Resources Ltd | Basic Materials 12 |
| | Toronto-Dominion Bank/The | Financials 34 |
| Jamaica | | 9 |
| | Digicel Investments Ltd | Telecommunication 9 |
| Mexico | | 130 |
| | America Movil SAB de CV | Telecommunication 23 |
| | Comision Federal de Electricid | Utilities 14 |
| | Petroleos Mexicanos | Energy 93 |
| Trinidad and Tobago | | 4 |
| | Proman Holding AG | Basic Materials 4 |
| United States | | 11,724 |
| | Abbott Laboratories | Health Care 65 |
| | AbbVie Inc | Consumer non cyclical 109 |
| | Activision Blizzard Inc | Telecommunication 37 |
| | Adient PLC | Consumer cyclical 17 |
| | AerCap Holdings NV | Financials 8 |
| | AES Corp/VA | Utilities 25 |
| | Aetna Inc | Financials 17 |
| | Air Medical Group Holdings Inc | Health Care 6 |
| | Air Methods Corp | Health Care 4 |
| | AK Steel Holding Corp | Basic Materials 3 |
| | Albemarle Corp | Basic Materials 30 |
| | Alcoa Corp | Basic Materials 2 |
| | Aleris Corp | Basic Materials 7 |
| | Allegheny Technologies Inc | Basic Materials 4 |
| | Allergan PLC | Consumer non cyclical 98 |
| | Ally Financial Inc | Financials 26 |
| | Alphabet Inc | Information technology 13 |
| | Alta Mesa Holdings LP | Energy 1 |

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|--------------------------------|------------------------|-----|
| Altice NV | Telecommunication | 57 |
| Altria Group Inc | Consumer non cyclical | 24 |
| Amazon.com Inc | Consumer cyclical | 49 |
| American Airlines Group Inc | Industrials | 57 |
| American Electric Power Co Inc | Utilities | 72 |
| American Express Co | Financials | 45 |
| American International Group I | Financials | 82 |
| American Midstream Partners LP | Energy | 2 |
| American Tower Corp | Telecommunication | 102 |
| Amgen Inc | Consumer non cyclical | 31 |
| Anadarko Petroleum Corp | Energy | 67 |
| Andeavor | Energy | 26 |
| Andeavor Logistics LP | Energy | 8 |
| Antero Resources Corp | Energy | 8 |
| Aon PLC | Financials | 14 |
| Apache Corp | Energy | 13 |
| Apex Tool Group LLC | Industrials | 10 |
| Apple Inc | Information technology | 85 |
| Aramark | Consumer cyclical | 4 |
| Arch Parent Inc | Consumer cyclical | 2 |
| Arconic Inc | Industrials | 13 |
| Argos Holdings LP | Consumer cyclical | 6 |
| AT&T Inc | Telecommunication | 420 |
| Atmos Energy Corp | Utilities | 23 |
| AvalonBay Communities Inc | Real Estate | 15 |
| Avis Budget Group Inc | Consumer non cyclical | 11 |
| Axalta Coating Systems Ltd | Basic Materials | 15 |
| B&G Foods Inc | Consumer non cyclical | 10 |
| Ball Corp | Industrials | 13 |
| Banco Bilbao Vizcaya Argentari | Financials | 25 |
| Banco Santander SA | Financials | 61 |
| Bank of America Corp | Financials | 494 |
| BB&T Corp | Financials | 59 |
| Beazer Homes USA Inc | Consumer cyclical | 6 |
| Becton Dickinson and Co | Health Care | 100 |
| Belden Inc | Industrials | 31 |
| Berkshire Hathaway Inc | Industrials | 74 |
| Bill Barrett Corp | Energy | 1 |
| Boxer Parent Co Inc | Information technology | 9 |
| Boyd Gaming Corp | Consumer cyclical | 4 |
| Brixmor Property Group Inc | Real Estate | 10 |
| Broadcom Ltd | Information technology | 81 |
| BWAY Parent Co Inc | Industrials | 17 |
| CA Inc | Information technology | 21 |
| Caesars Entertainment Corp | Consumer cyclical | 15 |
| California Resources Corp | Energy | 4 |
| Calpine Corp | Utilities | 15 |
| Calumet Specialty Products Par | Energy | 14 |
| Capital One Financial Corp | Financials | 73 |
| Carrizo Oil & Gas Inc | Energy | 1 |
| Catalent Inc | Consumer non cyclical | 5 |
| CDK Global Inc | Information technology | 6 |

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|--------------------------------|------------------------|-----|
| CDW Corp/DE | Information technology | 6 |
| CenterPoint Energy Inc | Utilities | 21 |
| CenturyLink Inc | Telecommunication | 50 |
| CF Industries Holdings Inc | Basic Materials | 89 |
| Charter Communications Inc | Telecommunication | 196 |
| Chemours Co/The | Basic Materials | 35 |
| Cheniere Energy Inc | Energy | 46 |
| Cheniere Energy Partners LP | Energy | 94 |
| Chesapeake Energy Corp | Energy | 19 |
| Church & Dwight Co Inc | Consumer non cyclical | 32 |
| Cisco Systems Inc | Information technology | 37 |
| CIT Group Inc | Financials | 13 |
| Citigroup Inc | Financials | 262 |
| Clean Harbors Inc | Industrials | 2 |
| Cleveland-Cliffs Inc | Basic Materials | 5 |
| Colfax Corp | Industrials | 9 |
| Comcast Corp | Telecommunication | 71 |
| CommScope Holding Co Inc | Information technology | 9 |
| Community Health Systems Inc | Health Care | 27 |
| Comstock Resources Inc | Energy | 1 |
| Concho Resources Inc | Energy | 3 |
| CONSOL Energy Inc | Energy | 6 |
| Consolidated | | |
| Communications Ho | Telecommunication | 3 |
| Continental Resources Inc/OK | Energy | 18 |
| Cox Enterprises Inc | Telecommunication | 52 |
| Crestwood Equity Partners LP | Energy | 10 |
| Crown Castle International Cor | Telecommunication | 67 |
| Crown Holdings Inc | Industrials | 28 |
| CrownRock LP | Energy | 4 |
| CSX Corp | Industrials | 9 |
| CubeSmart | Real Estate | 19 |
| Cumberland Farms Inc | Consumer cyclical | 6 |
| CyrusOne Inc | Financials | 7 |
| Dalian Hexing Investment Co Lt | Consumer cyclical | 6 |
| Danaher Corp | Health Care | 51 |
| DaVita Inc | Health Care | 11 |
| DCP Midstream LP | Energy | 10 |
| DDR Corp | Real Estate | 13 |
| Dean Foods Co | Consumer non cyclical | 8 |
| Deere & Co | Industrials | 15 |
| Dell Technologies Inc | Information technology | 144 |
| Delta Air Lines Inc | Consumer cyclical | 3 |
| Denbury Resources Inc | Energy | 4 |
| Deutsche Telekom AG | Telecommunication | 37 |
| DFC Holdings LLC | Consumer non cyclical | 9 |
| Diamond BC BV | Consumer non cyclical | 8 |
| Diamondback Energy Inc | Energy | 6 |
| Digital Realty Trust Inc | Real Estate | 32 |
| Discover Financial Services | Financials | 93 |
| Discovery Communications Inc | Telecommunication | 31 |
| DISH Network Corp | Telecommunication | 39 |

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|--------------------------------|------------------------|-----|
| DJO Global Inc | Health Care | 6 |
| Dollar Tree Inc | Consumer cyclical | 4 |
| Dominion Energy Inc | Energy | 38 |
| DowDuPont Inc | Basic Materials | 15 |
| Dr Pepper Snapple Group Inc | Consumer non cyclical | 45 |
| Duke Energy Corp | Utilities | 59 |
| Dynegy Inc | Utilities | 17 |
| E*TRADE Financial Corp | Financials | 21 |
| eBay Inc | Consumer cyclical | 45 |
| EchoStar Corp | Telecommunication | 11 |
| Edgewell Personal Care Co | Consumer non cyclical | 2 |
| Eli Lilly & Co | Consumer non cyclical | 14 |
| Enable Midstream Partners LP | Energy | 49 |
| Enbridge Energy Partners LP | Energy | 17 |
| Enbridge Inc | Energy | 10 |
| Endo International PLC | Consumer non cyclical | 10 |
| Energy Transfer Equity LP | Energy | 21 |
| Energy Transfer Partners LP | Energy | 101 |
| EnerSys | Industrials | 8 |
| EnLink Midstream Partners LP | Energy | 20 |
| EnSCO PLC | Energy | 9 |
| Entergy Corp | Utilities | 45 |
| Enterprise Products Partners L | Energy | 10 |
| Envision Healthcare Corp | Health Care | 13 |
| EP Energy Corp | Energy | 9 |
| EQT Corp | Energy | 24 |
| Equinix Inc | Financials | 30 |
| Essex Property Trust Inc | Real Estate | 18 |
| Estee Lauder Cos Inc/The | Consumer non cyclical | 35 |
| Exelon Corp | Utilities | 77 |
| First Data Corp | Information technology | 22 |
| First Horizon National Corp | Financials | 28 |
| FirstEnergy Corp | Utilities | 111 |
| Ford Motor Co | Consumer cyclical | 86 |
| Freeport-McMoRan Inc | Basic Materials | 22 |
| Frontier Communications Corp | Telecommunication | 25 |
| G Holdings Inc | Industrials | 13 |
| Gaming and Leisure Properties | Consumer cyclical | 15 |
| General Electric Co | Industrials | 31 |
| General Motors Co | Consumer cyclical | 98 |
| Genesis Energy LP | Energy | 3 |
| Georgia-Pacific LLC | Basic Materials | 16 |
| Goldman Sachs Group Inc/The | Financials | 408 |
| Greeneden Topco SCA | Information technology | 6 |
| Halcon Resources Corp | Energy | 3 |
| Halliburton Co | Energy | 23 |
| Hanesbrands Inc | Consumer cyclical | 22 |
| Hartford Financial Services Gr | Financials | 48 |
| HCA Healthcare Inc | Health Care | 46 |
| HealthSouth Corp | Health Care | 9 |
| Herc Holdings Inc | Industrials | 6 |
| Hertz Global Holdings Inc | Industrials | 20 |

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|--------------------------------|------------------------|------|
| Hess Corp | Energy | 18 |
| Hexion Holdings LLC | Basic Materials | 5 |
| Hindalco Industries Ltd | Basic Materials | 6 |
| Hologic Inc | Health Care | 4 |
| Hornbeck Offshore Services Inc | Energy | <0.5 |
| HRG Group Inc | Consumer non cyclical | 11 |
| HSBC Holdings PLC | Financials | 45 |
| Huntington Bancshares Inc/OH | Financials | 57 |
| Huntsman Corp | Basic Materials | 12 |
| Icahn Enterprises LP | Basic Materials | 9 |
| iHeartMedia Inc | Telecommunication | 25 |
| Infor Software Parent LLC | Information technology | 35 |
| International Game Technology | Consumer cyclical | 18 |
| International Paper Co | Basic Materials | 14 |
| Interpublic Group of Cos Inc/T | Telecommunication | 26 |
| IQVIA Holdings Inc | Information technology | 48 |
| Iron Mountain Inc | Information technology | 20 |
| JBS SA | Consumer non cyclical | 9 |
| JC Penney Co Inc | Consumer cyclical | <0.5 |
| Johnson & Johnson | Consumer non cyclical | 13 |
| Jonah Energy LLC | Energy | 3 |
| Jones Energy Inc | Energy | 4 |
| JPMorgan Chase & Co | Financials | 244 |
| Kinder Morgan Inc/DE | Energy | 77 |
| Kindred Healthcare Inc | Health Care | 6 |
| KLX Inc | Industrials | 8 |
| Kraft Heinz Co/The | Consumer non cyclical | 88 |
| L Brands Inc | Consumer cyclical | 10 |
| L3 Technologies Inc | Industrials | 23 |
| Laredo Petroleum Inc | Energy | 2 |
| Legacy Reserves LP | Energy | <0.5 |
| Levi Strauss & Co | Consumer cyclical | 12 |
| Liberty Interactive Corp QVC G | Telecommunication | 13 |
| LifePoint Health Inc | Health Care | 3 |
| Loews Corp | Energy | 4 |
| Macy's Inc | Consumer cyclical | 15 |
| Mallinckrodt PLC | Consumer non cyclical | 7 |
| Marathon Oil Corp | Energy | 39 |
| Marathon Petroleum Corp | Energy | 20 |
| Marsh & McLennan Cos Inc | Financials | 23 |
| Maxim Integrated Products Inc | Information technology | 21 |
| McCormick & Co Inc/MD | Consumer non cyclical | 28 |
| McKesson Corp | Health Care | 38 |
| Medical Properties Trust Inc | Financials | 38 |
| Medtronic PLC | Health Care | 30 |
| Merck & Co Inc | Consumer non cyclical | 20 |
| Meritor Inc | Consumer cyclical | 6 |
| MetLife Inc | Financials | 10 |
| MGM Resorts International | Consumer cyclical | 17 |
| Micron Technology Inc | Information technology | 24 |
| Microsoft Corp | Information technology | 42 |
| Mohawk Industries Inc | Industrials | 35 |

| | | |
|--------------------------------|------------------------|------|
| Mohegan Gaming & Entertainment | Consumer cyclical | 7 |
| Molson Coors Brewing Co | Consumer non cyclical | 66 |
| Mondelez International Inc | Consumer non cyclical | 27 |
| Morgan Stanley | Financials | 438 |
| MPLX LP | Energy | 43 |
| Multi-Color Corp | Industrials | 6 |
| Murphy Oil Corp | Energy | 9 |
| Nabors Industries Ltd | Energy | 2 |
| National CineMedia Inc | Telecommunication | 2 |
| Neiman Marcus Group Inc | Consumer cyclical | 1 |
| NetApp Inc | Information technology | 14 |
| Netflix Inc | Telecommunication | 30 |
| New Mountain Capital LLC | Health Care | 26 |
| Newell Brands Inc | Consumer non cyclical | 56 |
| Newfield Exploration Co | Energy | 7 |
| Nexstar Media Group Inc | Telecommunication | 6 |
| NextEra Energy Inc | Utilities | 18 |
| NextEra Energy Partners LP | Utilities | 18 |
| NGPL Holdco LLC | Energy | 7 |
| Nielsen Holdings PLC | Telecommunication | 11 |
| Noble Energy Inc | Energy | 11 |
| Norfolk Southern Corp | Industrials | 15 |
| NRG Energy Inc | Utilities | 18 |
| Nuance Communications Inc | Information technology | 7 |
| Oasis Petroleum Inc | Energy | 5 |
| Olin Corp | Basic Materials | 12 |
| Omaha Topco Ltd | Consumer cyclical | 7 |
| Omnicom Group Inc | Telecommunication | 53 |
| Omnimax Holdings Inc | Industrials | 5 |
| ONEOK Inc | Energy | 14 |
| Oracle Corp | Information technology | 60 |
| Ortho-Clinical Diagnostics Inc | Health Care | 5 |
| Outfront Media Inc | Telecommunication | 7 |
| Owens-Illinois Inc | Industrials | 35 |
| Pacific Drilling SA | Energy | <0.5 |
| Parker Drilling Co | Energy | 1 |
| Park-Ohio Holdings Corp | Industrials | 4 |
| PBF Energy Inc | Energy | 8 |
| Penske Truck Leasing Co LP | Industrials | 32 |
| Performance Food Group Co | Consumer cyclical | 4 |
| Perrigo Co PLC | Consumer non cyclical | 17 |
| Phillips 66 | Energy | 36 |
| Pinnacle Foods Inc | Consumer non cyclical | 5 |
| Plains All American Pipeline L | Energy | 13 |
| Plantronics Inc | Information technology | 6 |
| Platform Specialty Products Co | Basic Materials | 10 |
| PolyOne Corp | Basic Materials | 7 |
| Pomegranate Parent Holdings In | Consumer non cyclical | <0.5 |
| Post Holdings Inc | Consumer non cyclical | 55 |
| PPL Corp | Utilities | 38 |
| Prestige Brands Holdings Inc | Consumer non cyclical | 16 |

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|---|------------------------|-----|
| Priceline Group Inc/The | Consumer cyclical | 21 |
| Prime Security Services Topco | Consumer cyclical | 10 |
| Procter & Gamble Co/The | Consumer non cyclical | 14 |
| Prologis Inc | Real Estate | 40 |
| Prudential Financial Inc | Financials | 23 |
| Public Service Enterprise Grou | Utilities | 14 |
| Puget Holdings LLC | Utilities | 43 |
| PulteGroup Inc | Consumer cyclical | 3 |
| PVH Corp | Consumer cyclical | 22 |
| QEP Resources Inc | Energy | 5 |
| QUALCOMM Inc | Information technology | 28 |
| Rackspace Hosting Inc | Information technology | 9 |
| Radiate Holdings GP LLC | Telecommunication | 6 |
| Range Resources Corp | Energy | 8 |
| Rayonier Advanced Materials In | Basic Materials | 13 |
| Regions Financial Corp | Financials | 21 |
| Revlon Inc | Consumer non cyclical | 17 |
| Rite Aid Corp | Consumer cyclical | 12 |
| Riverbed Holdings Inc | Information technology | 9 |
| Rockwell Collins Inc | Industrials | 32 |
| Rowan Cos Plc | Energy | 4 |
| RR Donnelley & Sons Co | Telecommunication | 8 |
| RSI Home Products Inc | Industrials | 5 |
| S&P Global Inc | Telecommunication | 43 |
| Sable Permian Resources Holdings LLC | Energy | 5 |
| Sanchez Energy Corp | Energy | 6 |
| SBA Communications Corp | Telecommunication | 4 |
| Schlumberger Ltd | Energy | 21 |
| Scientific Games Corp | Consumer cyclical | 23 |
| Sealed Air Corp | Industrials | 25 |
| Sempra Energy | Utilities | 48 |
| Sensata Technologies Holding N | Information technology | 16 |
| Sherwin-Williams Co/The | Basic Materials | 30 |
| Shire PLC | Consumer non cyclical | 119 |
| Silgan Holdings Inc | Industrials | 18 |
| Sinclair Broadcast Group Inc | Telecommunication | 11 |
| Sirius XM Holdings Inc | Telecommunication | 29 |
| SM Energy Co | Energy | 10 |
| SoftBank Group Corp | Telecommunication | 84 |
| Southern Co/The | Utilities | 191 |
| Southern Natural Gas Co LLC | Energy | 15 |
| Southwest Gas Holdings Inc | Utilities | 10 |
| Southwestern Energy Co | Energy | 10 |
| Steel Dynamics Inc | Basic Materials | 3 |
| Sterigenics US LLC | Health Care | 8 |
| Sugarhouse HSP Gaming Prop Mez | Consumer cyclical | 8 |
| Summertime Holding Corp | Information technology | 13 |
| Summit Materials Inc | Industrials | 5 |
| Sunoco LP | Energy | 6 |
| Superior Energy Services Inc | Energy | 4 |

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|--------------------------------|------------------------|-----|
| Superior Industries Internatio | Consumer cyclical | 6 |
| Symantec Corp | Information technology | 1 |
| Synchrony Financial | Financials | 24 |
| Talen Energy Corp | Utilities | 8 |
| Targa Resources Corp | Energy | 23 |
| TEGNA Inc | Telecommunication | 8 |
| Tempur Sealy International Inc | Consumer non cyclical | 13 |
| Tenet Healthcare Corp | Health Care | 33 |
| Tennant Co | Industrials | 5 |
| Tenneco Inc | Consumer cyclical | 7 |
| Tesla Inc | Consumer cyclical | 7 |
| Texas Energy Future Holdings L | Utilities | 33 |
| Thermo Fisher Scientific Inc | Health Care | 57 |
| Three-Twenty-Three Family Hold | Consumer non cyclical | 3 |
| TIBCO Software Inc | Information technology | 12 |
| Time Warner Inc | Telecommunication | 51 |
| Toll Brothers Inc | Consumer cyclical | 18 |
| TransCanada Corp | Energy | 32 |
| TransDigm Group Inc | Industrials | 19 |
| Transocean Ltd | Energy | 15 |
| TreeHouse Foods Inc | Consumer non cyclical | 4 |
| Triumph Group Inc | Industrials | 3 |
| Tronox Ltd | Basic Materials | 21 |
| Tutor Perini Corp | Industrials | 6 |
| Tyson Foods Inc | Consumer non cyclical | 63 |
| UHS Holdco Inc | Health Care | 4 |
| Unit Corp | Energy | 1 |
| United Continental Holdings In | Industrials | 14 |
| United Rentals Inc | Industrials | 28 |
| United States Steel Corp | Basic Materials | 7 |
| United Technologies Corp | Industrials | 23 |
| UnitedHealth Group Inc | Financials | 14 |
| Uniti Group Inc | Telecommunication | 10 |
| Univision Holdings Inc | Telecommunication | 10 |
| US Bancorp | Financials | 76 |
| USG Corp | Industrials | 27 |
| Valeant Pharmaceuticals Intern | Consumer non cyclical | 64 |
| Veritas Holdings Ltd | Information technology | 7 |
| Verizon Communications Inc | Telecommunication | 147 |
| Viacom Inc | Telecommunication | 20 |
| ViaSat Inc | Telecommunication | 5 |
| Visa Inc | Consumer cyclical | 33 |
| Voya Financial Inc | Financials | 22 |
| Walgreens Boots Alliance Inc | Consumer cyclical | 45 |
| Warner Music Group Corp | Telecommunication | 6 |
| Weatherford International PLC | Energy | 12 |
| Wells Fargo & Co | Financials | 114 |
| Westar Energy Inc | Utilities | 23 |
| Western Digital Corp | Information technology | 24 |
| Westlake Chemical Corp | Basic Materials | 53 |
| WH Group Ltd | Consumer non cyclical | 7 |
| Whiting Petroleum Corp | Energy | 10 |

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|----------------------|--|------------------------|---------------|
| | WildHorse Resource Development | Energy | 2 |
| | Williams Cos Inc/The | Energy | 32 |
| | Willis Towers Watson PLC | Financials | 24 |
| | Windstream Holdings Inc | Telecommunication | 3 |
| | WPX Energy Inc | Energy | 4 |
| | Wrangler Buyer Corp | Industrials | 1 |
| | Wyndham Worldwide Corp | Consumer cyclical | 25 |
| | Wynn Resorts Ltd | Consumer cyclical | 16 |
| | Xcel Energy Inc | Utilities | 10 |
| | Xilinx Inc | Information technology | 14 |
| | XPO Logistics Inc | Industrials | 15 |
| | Yum! Brands Inc | Consumer cyclical | 9 |
| | Zayo Group Holdings Inc | Telecommunication | 13 |
| | Zimmer Biomet Holdings Inc | Health Care | 49 |
| | Zoetis Inc | Consumer non cyclical | 9 |
| Oceania | | | 525 |
| Australia | | | 417 |
| | Aurizon Holdings Ltd | Industrials | 31 |
| | BHP Billiton Ltd | Basic Materials | 29 |
| | Brambles Ltd | Industrials | 14 |
| | Commonwealth Bank of Australia Securitized | | 24 |
| | Fortescue Metals Group Ltd | Basic Materials | 3 |
| | Goodman Group | Real Estate | 26 |
| | National Australia Bank Ltd | Securitized | 90 |
| | Newcrest Mining Ltd | Basic Materials | 24 |
| | Origin Energy Ltd | Utilities | 26 |
| | Scentre Group | Real Estate | 36 |
| | Transurban Group | Industrials | 98 |
| | Westpac Banking Corp | Securitized | 17 |
| New Zealand | | | 108 |
| | Chorus Ltd | Telecommunication | 38 |
| | Commonwealth Bank of Australia Securitized | | 48 |
| | Packaging Holdings Ltd | Industrials | 22 |
| South America | | | 33 |
| Brazil | | | 33 |
| | JBS SA | Consumer non cyclical | 13 |
| | Petroleo Brasileiro SA | Energy | 20 |
| Total | | | 26,641 |

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